

ArcelorMittal South Africa



Long Steel Products





Rails

Rails for use in mines are supplied to ArcelorMittal South Africa's own specification as mines and sidings in 15 kg/m, 22 kg/m, 30 kg/m and 40 kg/m sizes as well as mainline rail specified in 48 kg/m and 57 kg/m sizes.

Typical End Uses

Used in mine sidings and overhead crane rails as well as mainline railway. ArcelorMittal South Africa is the only producer of mainline rail in Sub-Saharan Africa.

For more information on rails, please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/Rails.aspx>



Hexagon Bar

A Hexagon bar is a bar with six straight sides and angles.

Typical end uses

Hexagon bars are used in the mining, specialised bolt and nut, machinery, chemical, shipping and architectural industry.

For more information on hexagon bar and other structural sections, please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/Structuralsections.aspx>



Flat Bar

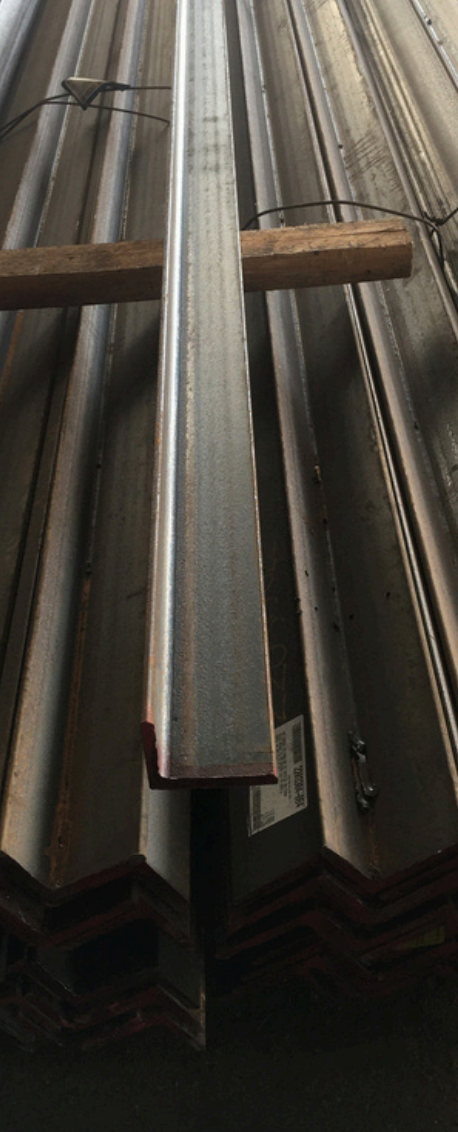
Flat bars are a flat, rectangular section with square or round corner edges in varying sizes.

Typical End Uses

This product is suitable for a wide variety of applications and is distributed into the construction, engineering, manufacturing, mining and fabrication sectors, among other industries.

For more information on flat bar and other structural sections, please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/Structuralsections.aspx>



Angles & Channels

Angles and Channels are widely used in various industrial applications.

Angles (equal)

Structural steel with a distinctive L-shaped cross-section in equal lengths.

Channels

Channels have tapered flanges, which give them greater structural stability and load-bearing capacity compared to flat steel bars.

Typical End Uses

Both steel angles and channels are used in infrastructure construction, machinery fabrication, and support structures.

For more information on angles & channels or other structural sections please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/Structuralsections.aspx>



Columns

Universal beams, are a type of hot-rolled structural steel used in various construction and engineering applications. They are called "universal" beams because of their versatile shape and wide range of uses. Universal beams are known for their excellent load-bearing capacity and are widely utilised in building frames, bridges, support structures, and other heavy-duty applications.

Typical End Uses

Columns are used in the construction industry, fabrication, steel structures such as commercial buildings and warehouses, transmission towers etc.

For more information on columns and other structural sections, please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/Structuralsections.aspx>



Hollow Bar

A Hollow bar is either a hexagon or a round bar with a hole in the centre of the bar.

The following profiles are manufactured at ArcelorMittal South Africa;

- Round Hollow Bar.
- Lined Hexagon Hollow Drill. Unlined
- Hexagon Hollow Drill. Unlined Case
- Hardening (on enquiry).
- Hollow Deformed Bar (on enquiry).
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Typical End Uses

Hollow bar is primarily used in the mining industry as a hollow drill bit.

For more information on hollow bar, please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/Hollowbar.aspx>



Rounds & Squares

Hot Rolled Rounds

Round bars can be defined as material used for applications such as general engineering and rods for grinding mills. **Hot**

Forged Rounds

Round bars in the forged, heat treated and machined conditioned.

Hot Rolled Squares

The square bar product range consists of sharp cornered and round cornered square bars.

Typical End Uses

Rounds & Squares are typically used in the automotive, bolt & nut, chains, construction, agriculture, mining, re-forging, transport, armament and engineering industries.

For more information on rounds and squares, please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/RoundsSquares.aspx>



Special Profiles

Special profiles are defined as products that are specifically developed for specialised applications. ArcelorMittal has a track record of developing products to suit specific applications and fulfilling customer needs.

Typical End Uses

Special profiles are typically used in the mining, construction, agricultural implements, rail and road networks and civil engineering industries.

For more information on special profiles, please visit the datasheets online

<https://arcelormittalsa.com/Products/Longsteelproducts/Specialprofiles.aspx>



Tubular

Seamless tubular products refer to a type of metal tube or pipe that is produced without any welding or joining seams along its length. These tubes are manufactured through a process called seamless pipe manufacturing, which involves piercing a solid billet with a metal plug to create a hollow tube. This method ensures a uniform structure and consistent mechanical properties throughout the length of the tube.

Typical End Uses

Line pipe for use in oil and gas transportation, carbon and low alloy for use in process and pressure piping applications, OCTG products and precision tube for mechanical applications.

For more information on our tubular products, please visit the datasheets online

<https://arcelormittalsa.com/Products/Productpercategory/Tubularproducts.aspx>

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